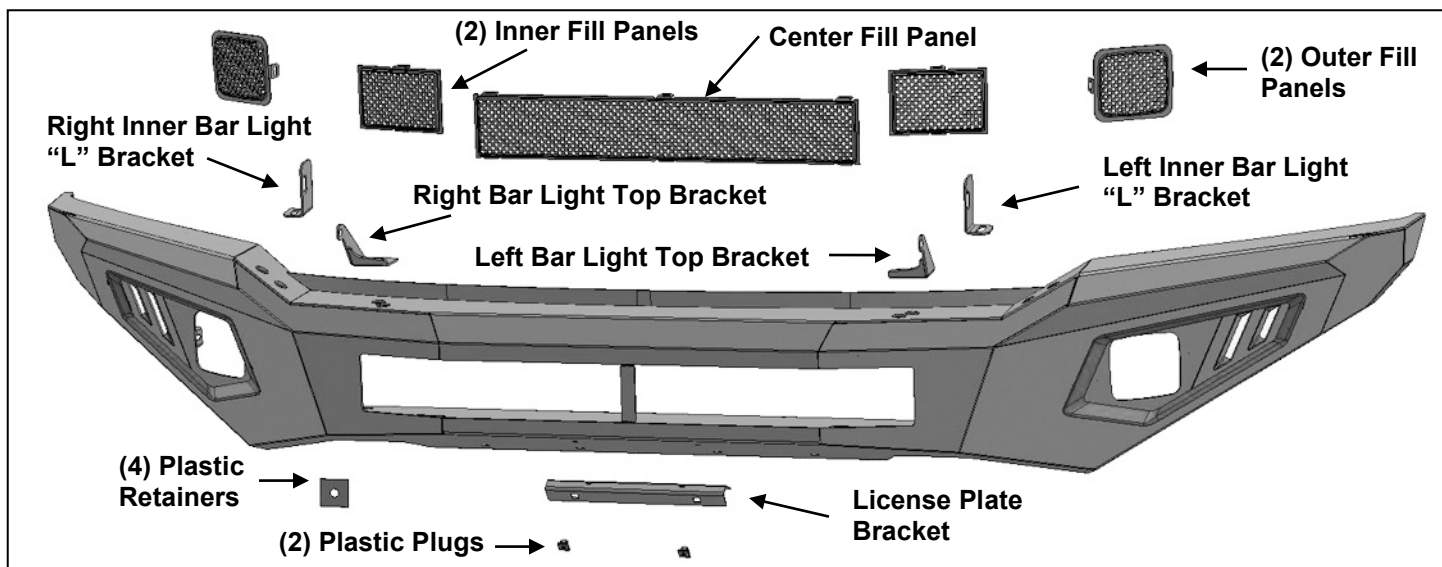


**PARTS LIST:**

1	LD2 Front Bumper	4	8-1.25mm x 25mm Button Head Bolts
1	Long Center Fill Panel	14	8mm x 24mm Flat Washers
2	Small Inner Fill Panels	8	8mm Lock Washers
2	Small Outer Fill Panels	6	8mm Hex Nuts
1	Driver/left side Top Light Bracket	14	6-1.0mm x 20mm Combo Bolts
1	Passenger/right side Top Light Bracket	2	6-1.0mm x16mm Hex Bolts
1	Driver/left "L" Bracket (center LED light)	2	6mm x 20mm Button Head Bolts
1	Passenger/right "L" Bracket (center LED light)	6	6mm x 18mm x 1.6 Flat Washers
1	License Plate Bracket	2	6mm Lock Washers
2	Plastic Plugs for license plate mount	2	6mm Nylon Lock Nuts
2	12-1.75mm x 35mm Hex Bolt	14	6mm Flange Nuts
4	12mm x 32mm x 3mm Flat Washer	4	12mm Plastic Retainers
2	12mm Nylon Lock Nut	10	Nylon Wire Ties
2	8-1.25mm x 25mm Hex Bolts	1	5mm Wrench
2	8-1.25mm x 16mm Hex Bolts (LED light bar)	1	4mm Wrench



**PROCEDURE:**

**REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. ASSISTANCE IS RECOMMENDED TO AVOID POSSIBLE INJURY OR DAMAGE TO THE VEHICLE. BUMPER IS NOT COMPATIBLE WITH ACC (ADAPTIVE CRUISE CONTROL). FUNCTION MUST BE DISABLED. CUTTING MAY BE REQUIRED.**

1. Remove the license plate and bracket. Next, remove the plastic bumper pad from the center of the bumper, **(Figure 1)**. Pad is held in place with metal clips. Pull the pad straight out to remove bumper pad. Also remove the skid plate from the bottom of the bumper.
2. On models with factory fog lights, unplug wiring harness leading to the bumper. Move harness away from bumper. On models equipped with adaptive cruise control, unplug and remove sensor from bumper, **(Figure 2)**. **NOTE:** Sensor cannot be reinstalled.
3. From behind the bumper, remove factory hex nuts attaching the bottom of the bumper bracket to the frame bracket. Next, remove the outer bumper supports, **(Figure 3)**.
4. Place blocks or jack stands under the front bumper to support it during mounting bolt removal. Once the bumper has been safely supported, through the opening in the front of the bumper, remove the factory hex nuts, (2 per side), and remove the bumper, **(Figures 2 & 4)**. **WARNING!** Assistance is required to hold the bumper in place during hardware removal to prevent the bumper from falling.

5. Remove the plastic seals around the tow hooks, **(Figure 6)**. Next, remove the factory double bolt plates from the end of the frame, **(Figures 5 & 6)**. **NOTE:** Do not remove tow hooks.
6. Determine if accessory lights, (not included), or Screen Fill Panels will be installed at this time.  
**IMPORTANT:** It may be easier to install Center Fill Panels and/or lights before installing Bumper.

**Screen Fill Panel Installation (do not install fill panels if installing lights).**

- a. Select desired Screen Fill Panels. **NOTE:** Outer Panels are square with rounded corners, Inner panels are rectangular with sharp corners, **(Figure 7)**.
- b. Attach Screen Fill Panels as needed with the included 6mm Button Head Combo Bolts and 6mm Flange Nuts, **(Figure 7)**. Fully tighten Fill Panel hardware at this time. Repeat to install all Panels as desired.

**Inner center LED bar style light installation (light not included).**

- a. Select the driver/left "L" Light Bar Bracket, **(Figure 8)**. **NOTE:** "L" Brackets are offset to adjust for different widths of LED Bar Lights and can be installed on either side as needed.
- b. Attach the L Bracket to the slot on the back of the Bumper with (1) 8mm x 25mm Hex Bolt, (2) 8mm Flat Washers, (1) 8mm Lock Washer and (1) 8mm Hex Nut, **(Figures 8 & 9)**. Repeat this Step to install the remaining "L" Bracket on the other side of the Bumper. **IMPORTANT:** The Bumper features slots designed for 20" and 30" bar style lights. Attach the Brackets to the correct slots in the Bumper. If necessary, hold the light up to the slots to help determine correct slots to use and combination of Brackets.
- c. Attach the light to the "L" Brackets with the hardware included with the light or the supplied (2) 8mm x 16mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers or (2) 6mm x 16mm Hex Bolts, (2) 6mm Lock Washers and (2) 6mm Flat Washers, **(Figures 8 & 9)**. Do not fully tighten hardware at this time.

**Top mounted 30" bar style LED light (not included).**

- a. Remove the (2) rubber plugs from the driver/left side mounting holes, **(Figure 10)**.
- b. Select the driver/left Light Bracket. Attach the Bracket to the top of the Bumper with (2) 8mm x 25mm Button Head Bolts, (4) 8mm Flat Washers, (2) 8mm Lock Washers and (2) 8mm Hex Nuts, **(Figure 10)**. Do not tighten hardware at this time.
- c. Repeat previous Steps to attach the passenger/right Bracket.
- d. Select the 30" light, (not included). Attach light to Top Brackets with the hardware included with the light. Adjust the width of the Brackets to the light and fully tighten bracket hardware.  
**IMPORTANT:** Top Light Brackets are designed to install 30" bar style LED lights with outside length dimensions of 31.653" (804mm) to 32.44" (824mm) only, **(Figure 11)**. Fully tighten top light hardware once adjusted.

**Outer LED cube style light installation (light not included).**

- a. Attach lights to mounting tabs on back of each end of the Bumper, **(Figures 7 & 10)**.
7. Insert (1) factory double bolt plate into the mounting plate on the back of the driver/left side of the Bumper. Thread (2) 12mm Plastic Retainers onto the threaded ends of the bolt plate to help hold it in place, **(Figure 12)**. Repeat this Step to install the remaining double bolt plate on the passenger/right side of the Bumper
8. With assistance, hold the Bumper up to the frame. Temporarily support the weight of the Bumper.  
**WARNING:** To avoid possible injury or damage to the vehicle, do not proceed until the bumper is fully and safely supported. Check for clearance between the back of the Bumper and vehicle. On models equipped with turbo intercooler, mark any points of interference between the plastic shroud and the Bumper and cut the plastic as necessary.
9. Guide the double bolt plates through the mounting plate on the end of the driver/left side of the frame. Reuse the (2) factory hex nuts to attach the Bumper to the end of the frame. Use (1) 12mm x 35mm Hex Bolt, (2) 12mm Flat Washers and (1) 12mm Nylon Lock Nut to attach the remaining lower mounting hole in the Bumper to the end of the frame, **(Figures 13 & 14)**. Do not fully tighten hardware at this time. Repeat to attach the passenger/right side of the Bumper to the frame.
10. If front license plate is required, attach the License Plate Bracket to the holes in the bumper with the included (2) 6mm x 20mm Button Head Screws, (4) 6mm Flat Washers and (2) 6mm Nylon Lock Nuts, **(Figure 15)**. Insert (2) Plastic Plugs into the square holes in the Bracket. Reuse the factory screws to attach the license plate to the plastic plugs.

11. Level and adjust the bumper and fully tighten all hardware.

12. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

**To protect your investment,** Do not use any type of polish or wax that may contain abrasives that could damage the finish. Mild soap may be used to clean the Bumper assembly.

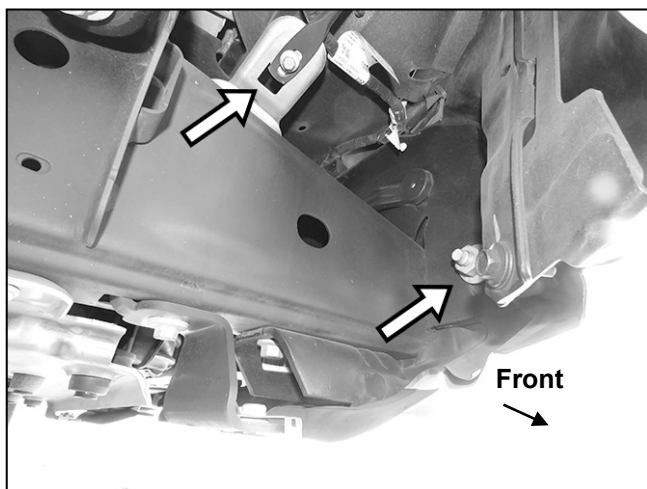
### Passenger/Right Side Installation Pictured



(Fig 1) Remove license plate, skid plate and plastic center pad (arrow) from bumper



(Fig 2) Unplug and remove sensor if equipped (driver/left side pictured)



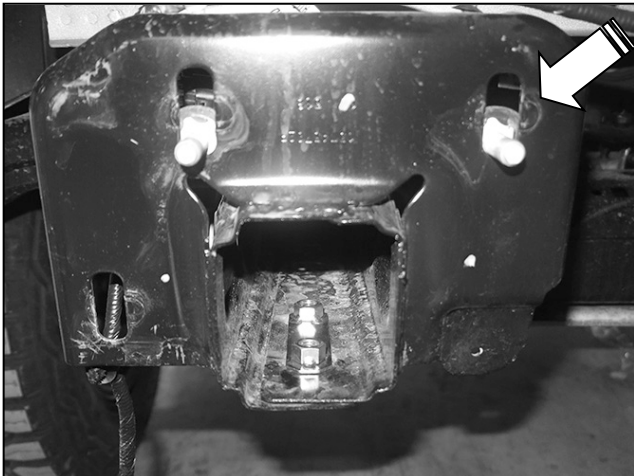
(Fig 3) Remove hex nut and outer bumper support (arrows). Unplug main wiring harness leading to bumper if equipped



(Fig 4) Remove hex nuts (arrow) and remove bumper

**WARNING!** Do not remove bumper bolts unless the bumper is properly supported on blocks or stands or the bumper may fall.

Passenger/Right Side Installation Pictured



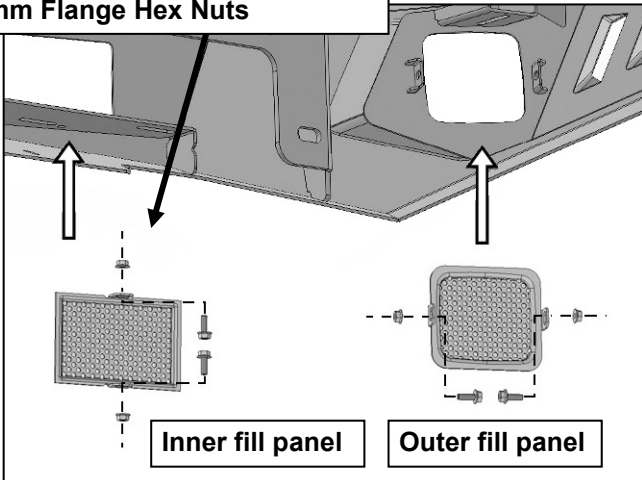
(Fig 5) Remove double bolt plate (arrow). Tow hook removed for instruction purposes only, do not remove tow hook.

**WARNING!** Do not remove bumper bolts unless the bumper is properly supported on blocks or stands or the bumper may fall.



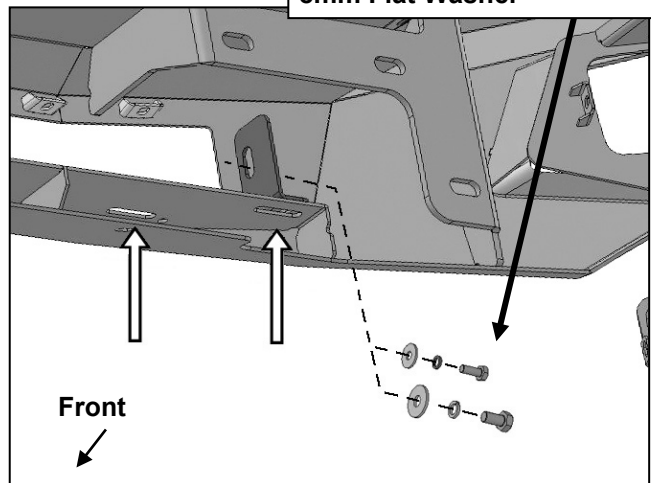
(Fig 6) Remove bumper and double bolt plate

6mm Button Head Combo Bolts  
6mm Flange Hex Nuts



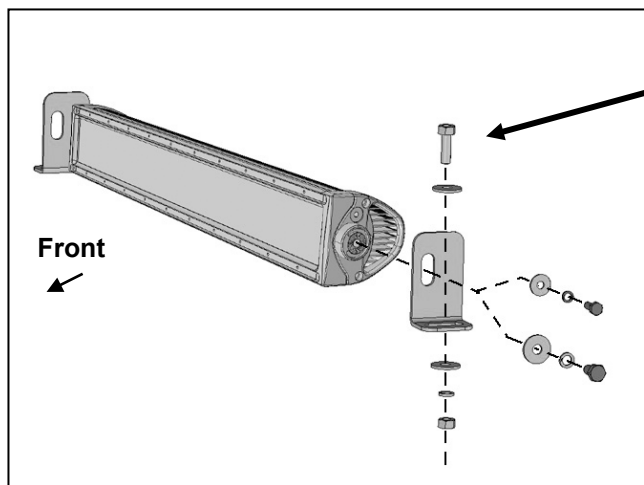
(Fig 7) Attach Mesh Fill Panels as desired to fill unused openings for lights (lights not included)

6mm x 16mm Hex Bolt  
6mm Lock Washer  
6mm Flat Washer  
Or  
8mm x 16mm Hex Bolt  
8mm Lock Washer  
8mm Flat Washer



(Fig 8) Note multiple slots for different widths of lights (arrows)

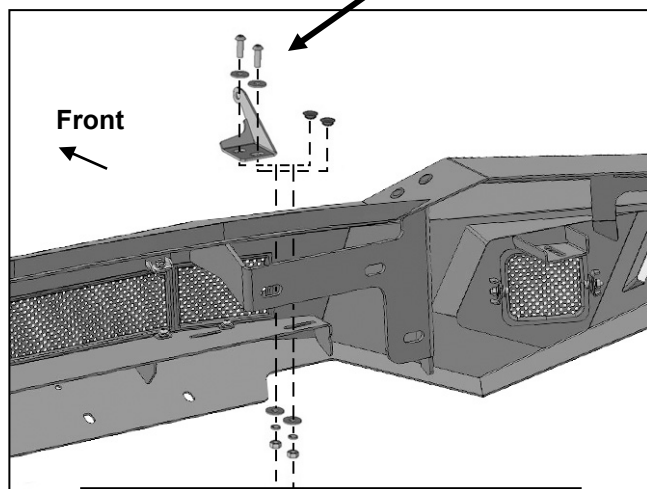
### Passenger/Right Side Installation Pictured



8mm x 25mm Hex Bolt  
(2) 8mm Flat Washers  
8mm Lock Washer  
8mm Hex Nut

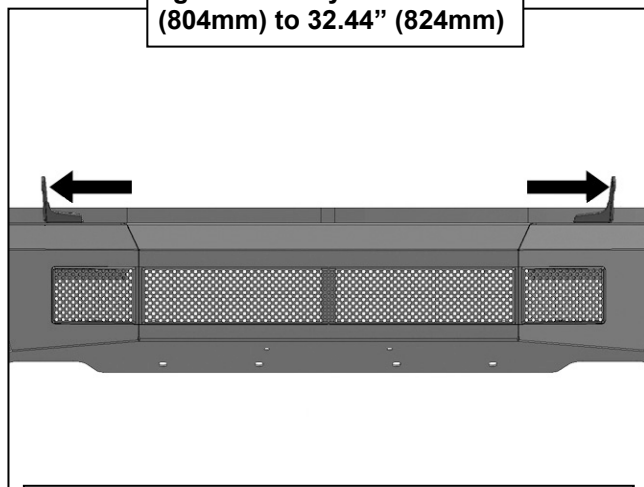
(2) 8mm x 25mm Button  
Head Bolts  
(4) 8mm Flat Washers  
(2) 8mm Lock Washers  
(2) 8mm Hex Nuts

(Fig 9) Bracket illustration is a suggestion only. Brackets are offset to allow adjustment for all widths of lights

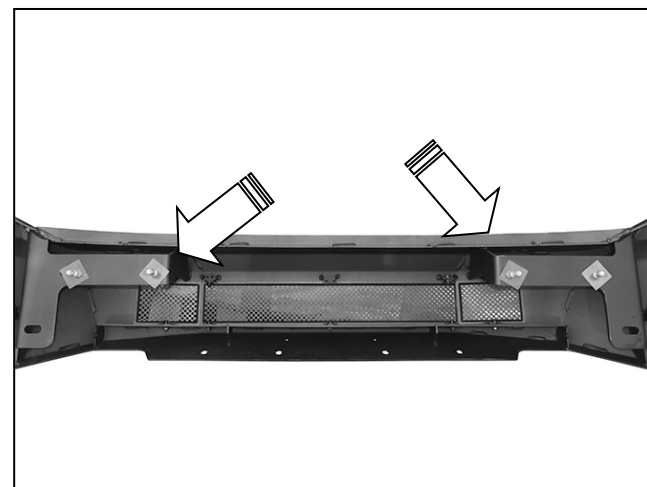


(Fig 10) Remove rubber plugs to attach Top Light Bracket to Bumper

Top Light bracket mounting location is designed for light assembly 31.65" (804mm) to 32.44" (824mm)

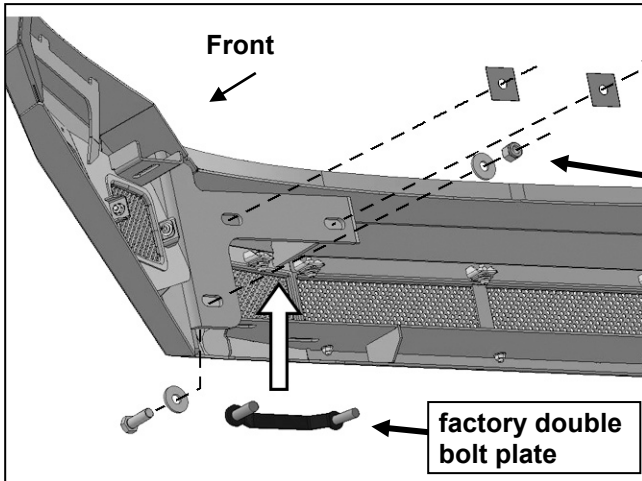


(Fig 11) Measure width of LED light (light only) before installation of Top Light Brackets



(Fig 12) Use Plastic Retainers to attach factory double bolt plates (arrows) to mounting plates on back of Bumper (also see Fig 13).

Driver/left Side Installation Pictured

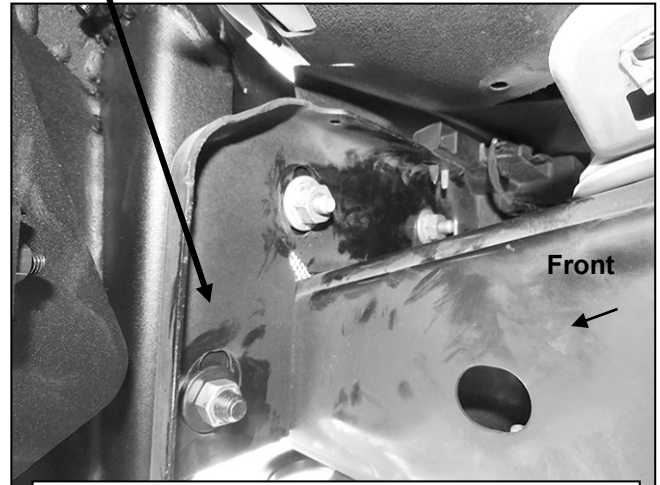


(2) 12mm Plastic Retainers

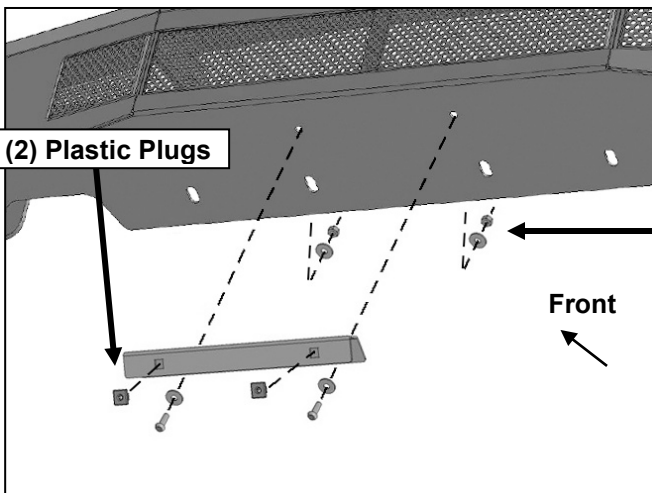
12mm x 35mm Hex Bolt  
(2) 12mm Flat Washers  
12mm Nylon Lock Nut

factory double bolt plate

(Fig 13) Reuse factory hex nuts and double bolt plate to attach driver/left side of Bumper to end of frame. Attach bottom mounting hole in Bumper to frame with included 12mm x 35mm Hex Bolt, (2) 12mm Flat Washers and 12mm Nylon Lock Nut (Fig 14)



(Fig 14) Driver/left side of Bumper attached to end of frame (pictured from behind Bumper)



(2) Plastic Plugs

(2) 6mm x 20mm Button Head Screws  
(4) 6mm Flat Washers  
(2) 6mm Nylon Lock Nuts

(Fig 15) Attach License Plate Bracket to Front Bumper



Complete Installation